

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-3. (Canceled)

4 (Currently Amended). ~~A current output DA converter circuit according to claim 1,~~
~~characterized in that A current output DA converter circuit comprising:~~

a current output circuit;

a voltage source;

a data input portion; and

an output portion,

characterized in that digital data is inputted to the data input portion;

a constant voltage is applied from the voltage source to the output portion in the case
where the data in the data input portion takes a predetermined value; and

a current corresponding to a value of the data in the data input portion is applied from the
current output circuit to the output portion in other cases, wherein:

the current output circuit includes a plurality of drive transistors; and each gate electrode of the plural drive transistors is electrically connected to each other and a switch is provided between the gate electrode and each drain electrode of the plural drive transistors.

5-7. (Canceled)

8. (Currently Amended) ~~A current output DA converter circuit according to claim 2,~~
~~characterized in that A current output DA converter circuit comprising:~~

a current output circuit;

a voltage source;

a data input portion; and

an output portion,

characterized in that a plurality of switches are provided in series between the voltage source and the output portion;

digital data is inputted to the data input portion; and

all of the plural switches are turned ON in the case where bit data in the data input portion takes a predetermined value, wherein:

the current output circuit includes a plurality of drive transistors; and each gate electrode of the plural drive transistors is electrically connected to each other and a switch is provided between the gate electrode and each drain electrode of the plural drive transistors.

9. (Currently Amended) A current output DA converter circuit according to claim 3, characterized in that A current output DA converter circuit comprising:

a current output circuit;

a voltage source;

a data input portion; and

an output portion,

characterized in that digital data is inputted to the data input portion;

a current corresponding to a value of the data in the data input portion is applied from the current output circuit to the output portion; and

the voltage source and the output portion are short-circuited for a certain period in the case where the data in the data input portion takes a predetermined value, wherein:

the current output circuit includes a plurality of drive transistors; and each gate electrode of the plural drive transistors is electrically connected to each other and a switch is provided between the gate electrode and each drain electrode of the plural drive transistors.